

10/564077

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- 1 -

SEQUENCE LISTING

<110> Collier, Greg R
Walder, Ken R
Segal, D. H

<120> DIFFERENTIAL EXPRESSION OF NUCLEIC ACID MOLECULES

<130> E1679-00014

<150> PCT/US2004/000919

<151> 2004-07-08

<150> US 60/485,790

<151> 2003-07-08

<160> 51

<170> PatentIn version 3.1 and MS Word

<210> 1

<211> 449

<212> DNA

<213> Psammomys Obesus

<220>

<221> misc_feature

<222> (1)..(425)

<223> "n" is unknown nucleotide

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gcttcccctg cttttgattt gtggctgttg ctgatttttc gtatgtggac atacacctac 180

ctcttctgtt	ggaaagaaca	tttaaaatga	aacaaatfff	acttaaaaaa	aatcaagga	240
gtcctttaat	gtaaatttta	actttcaaat	tactttcttt	atcttacttt	attacaaata	300
gcaccacta	gcatttctgt	gatgtacca	cctctttcna	tgtgctatff	gactgatgct	360
tgctccctgg	gatgacgttg	caaaaaatcg	actagtagaa	atgaagtgn	aatgcatttt	420
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<211> 1702

<212> DNA

<213> Psammomys Obesus

<220>

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<223> "n" is unknown nucleotide

<400> 2

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taatacataa	aagaaatcag	aggctgggaa	aaaaagttat	ggataagaag	ttccagtcca	180
ataaaattat	atttatctgt	aggagtcatt	tttcttagat	ttctgtttct	aacatcctgg	240
aaaaaaaatt	gagtttctgg	taaatagtcc	agaaattatt	tagctaattt	aatttcttta	300
catttgaaga	ctttagattt	attttcagta	tttagttaat	ataaaattaa	aggaaaatca	360
acttaaaactt	agatcaacat	ttaatataac	tttatttttt	tgtgtacata	ataaatttat	420
ccagaagtta	aatgcatgga	aacatgattt	tataaaacaa	aactaaccat	gcttcccctc	480
cattgccata	tctgctcttg	taggatgcta	ttttctgtat	gttaaaatcg	ggtgaatgag	540
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cttgttcttc	actcgaatat	atgaacatgc	cagttaaacc	tctttaaatt	tttttctttt	660
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gtagactggg atgctgttca catgtggcct tggatcattt ctaatgtgac ggaattttat	1620
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<210> 3

<211> 429

<212> DNA

<213> Psammomys Obesus

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tagaatgtgg cagaacaaag cagttctcac aaccactgga tgcaaagaga agggaagaaa 180
aaaaaagaga atagggttga atatcccatt caagggcatg cctccatgta tgggttcctc 240
tnattagcca ccctccctcc ccgccacaag taaatcctaa tagcaccagg gtctgggggc 300
aatcctttac catacagcca tttgtgagaa acttgттаag ataacatata tcacactgcc 360
tgtgtatgct gaaataaatt cataaattaa taacatttca aaaaaaacct gcccgggcgg 420
ccgctcgaa 429

<210> 4

<211> 332

<212> DNA

<213> Psammomys Obesus

<220>

<221> misc_feature

<222> (1)..(332)

<223> "n" is unknown nucleotide

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acaggaaaat tcttgtttga ccctgaatga gagcacanag gcatgaatgt ggaggtgcc 180
gcttgccctaa tgaatgaggg aacagccctt tatgtaggct agccgctttc cttcccctgg 240
gctgccgtgc tttcttccca aagtcaccca tttctgataa tgatgtgaat tgtctgttag 300
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<210> 5

<211> 156

<212> DNA

<213> Psammomys Obesus

<400> 5

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gagaagcgct cagtcccaaa gccacaggaa ggccttttac ctgctccagc cctcggccat 120

ggagtacctg cccgggcggc cgcctcgaaa gccgaa 156

<210> 6

<211> 447

<212> DNA

<213> Psammomys Obesus

<400> 6

agactgcccg tgatccatga gcttaggatc aggcataaac tgtgttttat ctgaggtgga 60

ttctgatttc atctttgtca cagaagcaaa ttcttttggc aaagacactg ttttggcatg 120

tatttcacca gaccttctg ccttagtttc ttcttttggc tcaggaggagtg attgtttttc 180

actgcttttt gtccacaatg acttaatggc ttgataaatt tgttggcttg tatcatatgt 240

gtttctccca gttatctttg caattattac taactgagct gggtagcaaa cagctgctcc 300

taatgtggcc atccctagag gataagtaat cttctgaaac ctagaacctc ttcttgctga 360

cagcaaacct gccagtctg aagctgtgat cactcctatt ttgggcagaa aatcttgagg 420

agggttcttc agatagatat atgtatc 447

<210> 7

<211> 389

<212> DNA

<213> Psammomys Obesus

<400> 7

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tgctgactcc aggtctattc tcagcaatgg gtcacagaga ctgaactgcc accatgattg 120

gaggcttatt catctataat cacaaggggg aggtgctcat ctcccagtc tacagagatg	180
acatcgggag gaacgctgtg gatgccttcc gggtcāatgt gattcatgcg cggcagcagg	240
tgcgaagccc tgtcacaaac atcgctcgca ccagcttctt ccatgttaag cgggtccaaca	300
tctggctagc agcagtcacc aagcagaatg tcaacgccgc catggctctc gaattcctct	360
ataagatgtg tgatgtaatg gctgcttac	389

<210> 8

<211> 781

<212> DNA

<213> Psammomys Obesus

<400> 8

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atgtctgcgt aatgactaaa atagttagct caggcccagt ggcacagctg tactcccagc	180
tcttcagggg gctgtggccg gaggactgct agtttgaggc cagccctgca gtaaagtagt	240
taccaacagt gagactaaat aaaaaaagtt cagagcacia acgaatactt gaagcaaaag	300
agtctttcat tttctttctc tgactgaaaa aaacaagcac tttccggaag ccaagcactt	360
ttcattgtag caaggatgag ttatttacgt tttaggaaat tttatcatgg attagtctga	420
taatttaaāt tctggccagt ctgttttcat ctttttctag gttttacagt atttccatca	480
tacctatgta aaaggagaat tatatacttg tatcatattg gtgttgataa tgtatattca	540
gataataata ttttgttagt gtctttatta tctcaaaagg agttctaaaa gtaaatactg	600
gaagcatata ctttttagac attaattatt ttataatgaa acaactggca gtaagacatt	660
agtggttaat atagtctatt tgttccagtg actgtaaagc ttgtctcata gttctgtctg	720
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<210> 9

<211> 1357

<212> DNA

<213> Psammomys Obesus

<400> 9

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tgtttccaga	atttgaaatt	gtaacagaaa	cagaagatga	gattttgcct	gaggctgtgg	180
aaatggaaga	ttattctgac	attgtaggaa	gcatgggtaa	ggagtccgtc	catcaatctg	240
acagttcagg	gaagacaggc	accatcagta	tgtgtctgtg	gtgaggtaga	gaatatcatg	300
gtagaagact	gcagatcaaa	acagttaact	gctgaatata	tgacaagggt	cctttgtaat	360
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tagggctgtg	tctgtggtga	ccaacacggg	tgctgatcat	aaatccagca	ttcacccctgc	480
cataggttgc	ttatgcatgt	gctcactcaa	acactctttg	catcgtgctt	ccagtaaaga	540
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aacagaaata	cacaacagga	agaatggtac	cacatagtca	ggggtctggt	cgaaggaggg	780
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gctggagaga	tggtcagaag	tcacaagcac	ttgctgttct	tgtagacgac	ccaggtttgg	900
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ggccttgaag	tacacatata	tataaacaaa	acattcaaaa	acaaacaaag	aaacaaacaa	1020
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gatattacat	cattttacat	ctgtctgctg	ttatcttaat	gagtaaaactt	atatataggt	1260
ctaggaaaat	agtacagagt	tacaaaacaa	tataggtctg	aactttttatt	ggaagatgcc	1320
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<210> 10

<211> 1314

<212> DNA

<213> Psammomys Obesus

<400> 10

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gaagaagcca gcgtgcttgc cagcagcttg atgccagaa gaatattcag gttcccagag	180
aggtatggta ctggataagg cctgaagaag aactgaaga agaggaagtg gaggaggaac	240
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aagaagactt atcttccaat tgcccaggac caacctctgc tactacagtg ctcagttaga	420
atgaagccag aactggggta gctacagccg tctaactatg aggacatcag gaagcacttc	480
ctgagtggag gacgttctac agaaggatga ctagttcctc aagcaaattg tgagagaaca	540
gaaaacacag ggagtatgcc acagagtaaa agtcaaccaa atgaaacctt ggatcctcct	600
gtttataaac agctatatac aaaagacagt tttgagaata taaaattgaa tccagactaa	660
ttatatgata attatatctt tgtttgtctg agtagcagtg atgtgtgatt ttgttaatat	720
ttcaaaatac ttgtccatat aagtcaactt ttaagtattt gcagctgaaa cactacaatg	780
ctaagagtaa ctttaaaatt ttccagccaa agaaacaaaa aggaaggggt aggtgtcaca	840
gcaaaggtaa aatattctct gttaaagctg cacaatggca catacaatct cattattctt	900
gtatacgttt gaagacaaaa aaatatatgt aataattaat cttgaatgaa aatattttgt	960
cttaaaaaaa tgttaatgtg ccagagaacc tcaagttatg gtgaacattc aagtggggat	1020
gcatgttgta agtctttgcc tattgagcct gcagatgtgt ttttaataga aatgatatat	1080
ttgggtctgtg ataaaaatct cttaggtctg tttctattga ttcaactagt tgtttgtttg	1140
tttgtttgtt tgtttgtttg tttcaaaact gtacctgaaa ttagcaattg aggtcctgct	1200
ctgccccact gttactctga ttaagaagat acttggttatt tcctggtttt tggagacaga	1260
cgatatatcc tcagaagtaa ataaaagatg ctaagagata aaaaaaaaaa aaaa	1314

<210> 11

<211> 319

<212> DNA

<213> Psammomys Obesus

<400> 11

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agaagcttgt	tctaaagaaa	agtcttccaa	gaaagggaag	gggaaaaaga	agcagtattt	180
gtgcccattc	cagcagtcac	cagaggacct	ggcgcgtgtg	ccccccaact	ccaccagtaa	240
tatcctgaac	aggctgctgg	tcagttatga	ccccaggatc	agaccaaatt	tcaaaggtat	300
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<210> 12

<211> 1262

<212> DNA

<213> Psammomys Obesus

<220>

<221> misc_feature

<222> (1)..(1262)

<223> "n" is unknown nucleotide

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tctcctctcc	tgcaatcaag	aggatattgc	tttagttgac	atgggccttt	ccacgcatct	180
gctgaggtga	ttttccaggt	aactacaggg	gtgaaggcta	actcaacaca	agccaagaaa	240
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gggctggagt	gactgtgacc	ccttcaaggg	aaagcctcag	ctcttttttac	ctgttaagga	420

atgatggaga tgcagacagt aggagagtgg tgtggggagaa atccaaagtg gcaatttccc	480
aaacactttt taaaataaat cttgtgtagg atgacatagg gctttgattg tggctcagt	540
gtaccatgct tgtcttggac actttaatgt gacaagtctg aggggtccgt ctatcactg	600
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gggtgacaga gtgggcagcc ttctcttcag caagatgtaa ggaacaatgc cagttgctca	1020
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cactttgtcc ctttcagaga gccaggtcac caciaaggcc acctggcctg cccactcact	1140
tctgccaaaa tgttgcagtc cagcgtggaa gacactgcac aaatcccagt gtgtatttac	1200
ttagtggaca cagatacctt taaaataaaa taaattcatt aatgaaaaaa aaaaaaaaaa	1260
aa	1262

<210> 13

<211> 364

<212> DNA

<213> Psammomys Obesus

<400> 13

gctgcttttag ccaaagccat cgaaaagaac gtgttatttt cacaccttga tgacaatgag	60
agaagtgaca tttttgatgc tatgtttcca gtctccttta ttgctggaga gacagttatt	120
cagcaagggtg atgaagggga taacttctat gtgattgatc aaggagaaat ggatgtctat	180
gtcaataatg aatgggcaac cagcgttggg gaaggagggg gcttcggaga gttggctttg	240
atttatggaa cacctagagc agccactgtc aaagcaaaga caaatgtgaa actgtggggc	300
atcgaccgag acagctaccg aagaatcctc atgggaagca ctctgagaaa gaggaagatg	360
tatg	364

<210> 14

<211> 390

<212> DNA

<213> Psammomys Obesus

<400> 14

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caggctggct ttgacctcac agagatctgc ttgttgacc ctcccccaag tgctggaatt	120
acaggcgtgc gccaccatac ccagctctga tatctcttac atgacaaaaa tcaagtcact	180
attaatgaaa atgatctgct cattatagat gggaggctta acaaataagt gatacatgct	240
aatttctgcc agtgtctatt gcttaattgt taattgtgag cagattactg aatgcctcgt	300
ctattttcta cattttatct tacaataact ctttgagtaa gttgaagttt aattgtgtag	360
caaatttcta tcagagaaca atttaaagtg	390

<210> 15

<211> 582

<212> DNA

<213> Psammomys Obesus

<400> 15

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taaaaaggga aggtgttact ggagcttttc tttcctctgc acagcatagt atcaaagtat	120
gccattaatg aagatttatt ccattactgc tataaatttt tagtatagga agaaaacttt	180
atcacgatca tgggccagtt agcctgatgt attcaagaac aaacaagaga ccctgtctca	240
agttaggaat gaggacaagt gcctgaaggt gccctccaac ctccacagtt gtccgaagca	300
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catgtgttga tcatttcaaa ccatcagagg caaacactga agtggtattt tctgtctcct	420
gcttgccagt atctacattt tccctcacat tctagggttaa aaaatggttc ttttataaca	480
tgagcaattt gtgatgttta ttataagtaa atgttgatgt cagtgttaga attaaaatta	540

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<210> 16

<211> 341

<212> DNA

<213> Psammomys Obesus

<400> 16

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tcacggggag aaaaaaaaaa atgggaaggt gagctgctat gactgagacc cctgaacttc 120

ccactcacac tctctgcaga accccacaaa acgacacaga acactatgtg gttgttctat 180

ggctttttgtt ttttcgaggt tctttcaaata atcctttggc gattgaagct taaattccat 240

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<210> 17

<211> 22

<212> DNA

<213> Psammomys Obesus

<400> 17

gcaaagacct gtatgccaac ac 22

<210> 18

<211> 23

<212> DNA

<213> Psammomys Obesus

<400> 18

gccagagcag tgatctcttt ctg 23

<210> 19

<211> 25

<212> DNA

<213> Psammomys Obesus

<400> 19

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25

<210> 20

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<212> DNA

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<400> 20

caccactag catttctgtg atg

23

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<400> 21

cattagcacc aaggagtcaa ggt

23

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<400> 22

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21

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23

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<400> 24

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23

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<400> 25

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21

<210> 26

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<400> 26

gaggaacagc cctttatgta ggt

23

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<400> 28

aggcttacgg tctggacaac ag

22

<210> 29

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<400> 29

cgctttgccg aatacctcta aa

22

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<400> 30

aagtaatctt ctgaaaccta gaacctcttc

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